

Work Order ID 157311

Friday, February 17, 2017 1:32:48 PM

157311

U/R

OK of 12/2/23

Page 1

Item ID: D3636-041 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Shoulder Harness
Start Date: 2/21/2017 Start Qty: 8.00 ***8*** Cust Item ID:
Required Date: 3/8/2017 Req'd Qty: 8.00 ***8*** Customer:
Reference:

Approvals: Process Plan: DAS 21 Date: FEB 22 2017 Tooling: _____ Date: _____ Run Start ***NR1***
QC: 9-89 Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3636	Rev B								

100 PURCHASING 0.00

100

Purchasing

Purchasing

Memo

Issue P/O:

35406
Purchase Part Number: P/N 3104-1-061-2396
AMSAFE INC., PHOENIX, ARIZONA
Certificate of conformity is required

Supplier:

3

FEB 24 2017

DAS
13
9-89

110 Receive & Inspect for Damage & Mat'l Certs 0.00

110

Packaging

Packaging

Memo

Ensure certificate of conformity is attached

82 8017-03-27

120 QC6- Inspect dimensions to drawing 0.00

120

QC

Quality Control

Memo

8

DAS
38
9-89

MAR 30 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Work Order ID 157311

Friday, February 17, 2017 1:32:48 PM

157311

Page 2

Item ID: D3636-041 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Shoulder Harness
Start Date: 2/21/2017 Start Qty: 8.00 ***8*** Cust Item ID:
Required Date: 3/8/2017 Req'd Qty: 8.00 ***8*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: <u>ST465</u>	0.00							
130									
Packaging	Memo	0.01			DAS 6 9-89	8			DAS 41 9-89 MAR 30 2017
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.13							
Quality Control									

17/4/3 
ME
17-3-31

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
341 10 28-9		341 10 28-9		Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

Picklist Print

Friday, February 17, 2017 1:32:47 PM

Page 1

Work Order ID: 157311

157311

Parent Item: D3636-041

D3636-041

Parent Item Name: Shoulder Harness

Start Date: 2/21/2017

Required Date: 3/8/2017

Start Qty: 8.00

Required Qty: 8.00

Comments: IPP Rev:A revA as per dwg 08-01-09 DD verified by LL 08/01/09

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3636-041P		Purchased	No			110	Each	0.0000	1	8			
D3636-041P									**				
Shoulder Harness													

8x 2017-03-27.

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

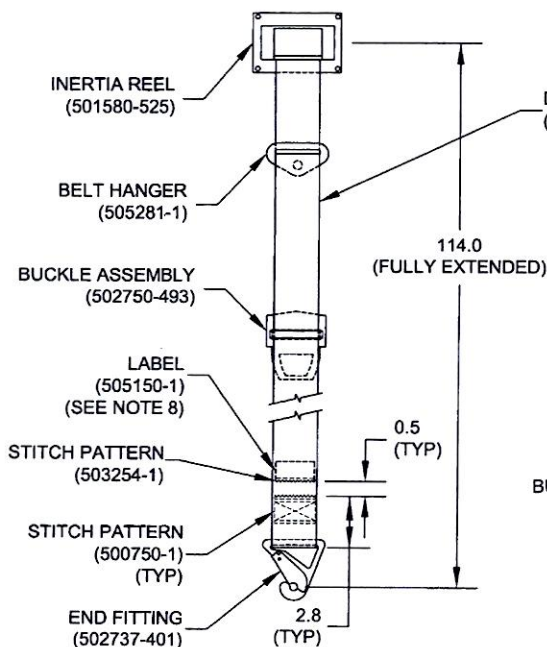
Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval					

Root Cause				FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐		
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐		
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐		
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐		
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐		
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐		
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐		
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐		
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐		
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐		
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____					
Misidentified ☐	Past Due ☐						

SPECIFICATION CONTROL DRAWING

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 157311 MJS
17-02-22



D3636-11 SHOULDER BELT
(3104-2030612396)

WEB SLIDE
(503964-1)

D3636-13 LAP BELT
(3104-2010612396)

END FITTING
(502737-401)

BUCKLE ASSEMBLY
(502750-493)

STITCH PATTERN
(500960-3)

STITCH PATTERN
(500750-1)

STITCH PATTERN
(503254-1)
(TYP)

LABEL
(505150-1)
(SEE NOTE 8)

D3636-041 SHOULDER HARNESS

NOTES:

- DESCRIPTION: 3-POINT SHOULDER HARNESS WITH LEVER STYLE BUCKLE AND CHROME HARDWARE PLATING
2" BLACK NYLON WEBBING, STYLE T1200-5 WHICH MEETS REQUIREMENTS OF TSO-C114
WITH MINIMUM STRENGTH OF 2500 LBS
- PURCHASE INFO: P/N 3104-1-061-2396 (D3636-041)
AMSAFE INC., PHOENIX, ARIZONA
- TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- UNITS: INCHES UNLESS OTHERWISE NOTED
- BREAK SHARP EDGES: N/A
- IDENTIFICATION: N/A
- WEIGHT: 1.7 lbs
- LABEL TO INCLUDE: DART AEROSPACE P/N D3636-11/-13
(613) 632-3336

RELEASED
07.11.14 WJ
UNDER REVIEW
13.07.23 b
PART-255

B	NEW HARNESS P/N'S; REFERENCE TSO-C114	LE	07.10.16
A	NEW ISSUE; REPLACES G10601	LE	07.07.27
REV.	DESCRIPTION	BY	DATE
DESIGN	CV	DART AEROSPACE USA, INC PORT HADLOCK, WA	
DRAWN	LE		
CHECKED	PH	DRAWING NO.	REV. B
MFG. APPR.	N/A	D3636	SHEET 1 OF 1
APPROVED	PH	TITLE	SCALE
DE APPR.	PH	SHOULDER HARNESS	NTS
DATE	07.10.16	COPYRIGHT © 2007 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED OR REPRODUCED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO35406**

Purchase Order Date 2/24/2017

PO Print Date 2/24/2017

Page Number 1 of 3

Order From :

VU-AMS001

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

AMSAFE INC.
1043 NORTH 47TH AVENUE
PHOENIX, AZ 85043
US

E-MAILED

FEB 24 2017

Contact Name

Vendor Phone

602 850 2850

Ship To Contact

Ship To Phone

Ship Via:

FedEx Economy collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	D3636-041P AS PER DWG D3636 REV. B B157311 AMSAFE P/N: 3014-1-061-1396 2396	Shoulder Harness DAS 38 9-89	3/22/2017 Yes 3/22/2017		8.00 Each	\$398.44	\$3,187.52
Line Total:							\$3,187.52
2	4192-1-021-2396 AS PER DWG D4387 REV. D B157337	Harness Assembly	3/22/2017 Yes 3/22/2017		12.00 Each	\$302.19	\$3,626.28
Line Total:							\$3,626.28

Note:

2/24/2017

AmSafe

1043 North 47th Avenue
PHOENIX, AZ 85043
PH (602)850-2850 FAX (602)278-3479

INVOICE

Please remit to:
AmSafe, Inc.
Lockbox 911928
P.O. Box 31001-1928
Pasadena, CA 91110-1928

*** DUPLICATE ***

Customer No.	Invoice Date	Sales Order Number	Invoice Number	Purchase Order Number	Page No.
10006113	03/22/17	S353139	I446588	PO35406	1

BILL TO: DART AEROSPACE
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
Canada

SHIP TO: DART AEROSPACE
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
Canada

SOLD TO: DART AEROSPACE
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
Canada

REMARKS:
1517-9324-0

Freight
COLLECT

COMMENTS:

A005 - RIGHT OF ENTRY A007 FAI BY SELLER & MAINTAINED BY SELLER
A012 - CHEMICAL AND PHYSICAL TEST REPORT
A016 - PERSONAL QUALIFICATION
A017 - RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
A026 - CERTIFICATION OF MATERIAL CONFORMANCE
A041 - QUALITY MANAGEMENT SYSTEM
A042 - DART NOTIFICATION BY SUPPLIER
A043 - RETENTION OF QUALITY DOCUMENT
DART HOLDS STC CERTIFICATE AND IS ALLOWED TO PURCHASE NON PMA PARTS

TERMS		ORDER DATE	SALESPERSON	SHIP DATE	SHIP VIA	FedEx Intl Economy	FOB POINT		
NET30		03/01/17	BLEAKE	03/22/17	TRACKING #	723892366325	ORIGIN		
LINE NO.	ITEM	DESCRIPTION	UM	QUANTITY			T A X	UNIT PRICE	EXTENDED AMOUNT
				LOT	BACK ORD.	SHIPPED			
1	3104-1-061-2396 DAS 38 9-89	DRAWING: 3104 REV: G Customer P/N: D3636-041P REST SYS ASSY W/IR	EA S353139-1		0.0	8.0	N	398.44 USD	3,187.52 USD
								TSO-C114	
2	4192-1-021-2396	DRAWING: 3104 REV: G REST SYS ASSY WO/IR	EA S353139-2		0.0	12.0	N	302.19 USD	3,626.28 USD
								TSO-C114	
3	4173-2-031-2396	DRAWING: 3104 REV: G REST SYS ASSY WO/IR	EA S353139-3		0.0	8.0	N	303.13 USD	2,425.04 USD
								TSO-C114	
4	4147-2-041-2396	DRAWING: 3104 REV: G Customer P/N: D4071-041 REST SYS ASSY W/IR	EA S353139-4		0.0	4.0	N	370.49 USD	1,481.96 USD
								TSO-C114	

Non-Taxable: 10,720.80 USD

Line Total: 10,720.80 USD

Total Taxable:

The undersigned, exporter/supplier of goods listed in this invoice/document, declares that according to the rule being valid in the European Union, the origin of these goods is the United States of America.

Signature:

Jesse Ochoa

Date:

MAR 22 2017

Phoenix, Arizona, USA

Sales Tax:

Total:

10,720.80 USD

AmSafe

1043 NORTH 47th AVENUE
PHOENIX, AZ 85043
PH (602)850-2850 FAX (602)850-2812

SHIPPER/CERTIFICATION



CUSTOMER NO.
10006113

SALES ORDER NO.
S353139

BOL NO.
000446612

DATE PRINTED
03/22/17

PAGE NO.
1

DART AEROSPACE
1270 ABERDEEN STREET
HAWKESBURY
HAWKESBURY, ON K6A 1K7
Canada

DART AEROSPACE
1270 ABERDEEN STREET
HAWKESBURY
HAWKESBURY, ON K6A 1K7
Canada

Ship to ID: 10006113

CUSTOMER ORDER NO.
PO35406

TERMS
NET30

FREIGHT
COLLECT

SHIP VIA
FedEx Intl Economy

F.O.B.
ORIGIN

Sales Order Remarks: 1517-9324-0

SHIPMENT REFERENCE 000446612

Remarks:

A005 - RIGHT OF ENTRY A007 FAI BY SELLER & MAINTAINED BY SELLER
A012 - CHEMICAL AND PHYSICAL TEST REPORT
A016 - PERSONAL QUALIFICATION
A017 - RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
A026 - CERTIFICATION OF MATERIAL CONFORMANCE
A041 - QUALITY MANAGEMENT SYSTEM
A042 - DART NOTIFICATION BY SUPPLIER
A043 - RETENTION OF QUALITY DOCUMENT

~~DART HOLDS STC CERTIFICATE AND IS ALLOWED TO PURCHASE NON-PMA PARTS~~

LINE	ITEM NUMBER / DESCRIPTION	DRAWING AND CERTIFICATIONS	DUE DATE	QTY ORDERED	QTY SHIPPED	QTY BACK ORDERED
1	Cust. Item No.: D3636-041P 3104-1-061-2396 REST SYS ASSY W/IR	DRAWING: 3104 REV: G CERT: TSO-C114 Lot/Serial Numbers Shipped Quantity S353139-1	2017-03-22	8 Expire Ref.	8 8	0
4	Cust. Item No.: D4071-041 4147-2-041-2396 REST SYS ASSY W/IR	DRAWING: 4147 REV: L CERT: TSO-C114 Lot/Serial Numbers Shipped Quantity S353139-4	2017-03-22	4 Expire Ref.	4 4	0
3	4173-2-031-2396 REST SYS ASSY WO/IR	DRAWING: 4173 REV: F CERT: TSO-C114 Lot/Serial Numbers Shipped Quantity S353139-3	2017-03-22	8 Expire Ref.	8 8	0
2	4192-1-021-2396 REST SYS ASSY WO/IR	DRAWING: 4192 REV: E CERT: TSO-C114 Lot/Serial Numbers Shipped Quantity S353139-2	2017-03-22	12 Expire Ref.	12 12	0

OAS
38
1-89

I certify that the article(s) listed above conform to all applicable design data, and (as applicable):

FAA PMA, FMVSS 209, FMVSS 302, 14 CFR 25.853

FAA TSO C22f, C22g, C114 or TSO Plus

The conditions and tests required for TSO approval of the article(s) are minimum performance standards. It is the responsibility of those installing the article(s) either on or within a specific type or class of aircraft to determine that the aircraft installation conditions are within the standards applicable to the TSO article including (when applicable) the integrated non-TSO function. The non-TSO function is described as the seat belt airbag system including the inflator cable assembly and electrical components that have not been evaluated for functionality or installation requirements. TSO articles including the integrated non-TSO function must have separate approval for installation in an aircraft. The article(s) may be installed only if performed under 14 CFR part 43 or the applicable airworthiness requirements. Product shipped meets all material, processing and test requirements. Certifications/Test reports as applicable are retained on file at AmSafe Aviation.

AmSafe Authorized Signature: X

Jesse Ochoa

MAR 22 2017

COUNTRY OF ORIGIN USA

Printed Name:

Jesse Ochoa

Dated: ___/___/___

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: S353139 - 1 <i>ET</i>	
4. Organization Name and Address: AmSafe, Inc. 1043 North 47th Avenue Phoenix, Arizona 85043		Cert. No. PT1967NM		5. Work order/Contract/Invoice Number: S353139 - 1 PAGES ATTACHED <i>1</i>	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	REST SYS ASSY W/IR	3104-1-061-2396	8	N/A	NEW
12. Remarks: Drawing: 3104 Rev: G TSO: TSO-C114 DATE CODE: <i>A0317</i>  CUSTOMER P/N: <i>D3e3le-041P</i>					
13a. Certifies the items identified above were manufactured in conformity to: ☒ Approved design data and are in a condition for safe operation ☐ Non-approved design data specified in Block 12.			14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
13b. Authorized Signature: <i>Irene Gomez</i>		13c. Approval/Authorization No.: ODA602112NM	14b. Authorized Signature		14c. Authorized/Certificate No.
13d. Name (typed or printed) IRENE GOMEZ		13e. Date (dd/mm/yyyy): <i>22/MAR/2017</i>	14d. Names (typed or printed)		14e. Date (dd/mm/yyyy):
User/Installer Responsibilities					
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.					



Material Burn Test Data and Report Record

For Horizontal Burn Test procedure Meets ASI Specification E503661 Rev F, FAR 25 853a
And Bell Helicopter Textron Test Specification 299-947-160 Rev D

1 0 Material

Part No 502396 Lot No 487444 Description BLACK
Rev Level I

2 0 Material Specimen Dimensions (inches)

	<u>Sample 1</u>	<u>Sample 2</u>	<u>Sample 3</u>
Length	13 00	13 00	13 00
Width	1 93	1 95	1 93
Thickness	0 05	0 05	0 05

3 0 Material Burn Rate Calculation

- 3 1 If the material does not ignite, the result is an immediate pass with an average burn rate of 0 00 in/min
- 3 2 In the event that the webbing does ignite but self-extinguishes before it reaches the 1 5 inch gauge line the result is passing
- 3 3 If the material does ignite and burn past the 1 5 inch gauge line but self-extinguishes prior to reaching the 11 5 inch gauge line within 4 minutes the burn rate may be calculated by the following equation

$$\text{Burn Rate} = \frac{\text{Sample Length (in)} - \text{Material Remaining After Burn (in)} - 1 5(\text{in})}{\text{Total Burn Duration (min)} - \text{Time to reach 1 5in Gauge Line (min)}} = \frac{\text{Sample Length (in)} - L_r(\text{in}) - 1 5(\text{in})}{t_f - t_{1.5}}$$

Where

t_f = Time (in minutes) for flame to reach the 11 5 inch gauge line or to extinguish if past the 1 5 inch gauge line

L_r = Length (in inches) of material remaining after burning

$t_{1.5}$ = Time (in minutes) for flame front to cross the 1 5 inch gauge line

If the material does not extinguish before the 11 5 in gauge line within 4 minutes the burn rate may be calculated as follows

3 4

$$\text{Burn Rate} = \frac{\text{Sample Length (in)} - 1 5(\text{in})}{4(\text{min}) - \text{Time to reach 1 5in Gauge Line (min)}} = \frac{\text{Sample Length (in)} - 1 5(\text{in})}{t_f - t_{1.5}}$$

4 0 Results

Sample No	Flame Temp (>1550°F)	$t_{1.5}$ (Min)	t_f (Min)	L_r (in)	Burn Rate (in/min)	Note
1	1709	0 00	0 00	N/A	0 00	SELF-EXTINGUISHED
2	1723	0 00	0 00	N/A	0 00	SELF-EXTINGUISHED
3	1725	0 00	0 00	N/A	0 00	SELF-EXTINGUISHED

Maximum allowable average burn rate 2 5 in/min

Average
Results 0 00
PASS

Technician Marisol C



Date January 5 2017

When the part is smaller than 12 inches in length and the burn rate is less than 2 5 inches/minute but greater than 0 5 inches/minute For small or non webbing parts refer to Form A 135 Flammability Report for Non Webbing

Form A 142 Rev Oct 12